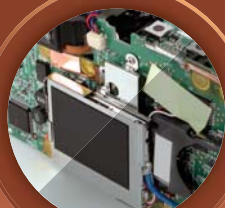


ELECTRONICS CLEANING PRODUCTS

2016



MG Chemicals

ONE COMPANY... MANY SOLUTIONS



WHO IS MG CHEMICALS

MG Chemicals is a manufacturer and wholesaler of chemical products for the electronics industry. Our chemical products include dusters and circuit coolers, electronic cleaners, flux removers, contact cleaners, protective coatings, epoxies, adhesives, RTV silicones, lubricants, EMI/RFI shielding coatings, thermal management products, prototyping supplies, solders, and more. We also distribute related non-chemical products such as wipes, swabs, brushes, desoldering braids, copper clad boards and 3D printing Filaments.

We specialize in the formulation and production of protective coatings for electronics: Conformal Coatings, Epoxy Potting & Encapsulating Compounds, and EMI/RFI Shielding Paints.

MG SERVICE

MG Chemicals recognizes that setting up production comes with various challenges. Our service team offers a wide variety of experience in material production, equipment, and technical issues you may encounter during planning, pilot studies, and production runs. To overcome these challenges, we offer professional services.

As a service, MG Chemicals can

- Provide advice on equipment and materials
- Assist with setup and troubleshooting
- Review your proposed application processes
- Suggest ways of optimizing and customizing processes to best meet your needs
- Offer training on the proper use of our products.

Quality Assurance

Since 1955, MG Chemicals has provided the North American electronics industry with a full line of high performance chemicals and accessories. The MG Chemicals manufacturing facility operates under the ISO 9001 Quality System Standard. All products undergo MG Chemicals' design process including the testing and analysis of each product to maximize performance, user safety, environmental safeguards and market desirability.

Customer Care

Customer care is what separates MG Chemicals from the rest. Our commitment to all of these principles focus on getting you the quality product and support you deserve.



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DUSTERS

MG Chemicals dusters are formulated to deliver a high rate of compressed gas to safely and effectively remove microscopic dust, lint, and foreign particles from computers, keyboards, office equipment, electrical equipment, telecommunications devices, A/V equipment, laboratory instruments, medical devices, photographic equipment, and electronic instruments. They are suitable for use in labs, on work benches, maintenance and service shops, off-site servicing, residential homes, offices, and industry.



Super Duster™ 134

Super Duster™ 134 is a pressurized gas duster made with 100% HFC134A gas. Its powerful blast blows away microscopic dust, lint, and foreign particles. Good for use in home or office, it is non-flammable, so it is suitable for use on live circuits or in industrial

- 100% HFC 134A gas
- Non-Flammable
- Non-Conductive
- High flow delivery system
- Ozone safe
- VOC free
- Zero residue
- Moisture free
- Safe on plastics
- Filtered to 0.2 Microns
- Can be used on Energized Circuits



| Cat. Number | Size | Form | Packaging |
|-------------|---------------|---------|-----------|
| 402A-285G | 285g (10 oz) | Aerosol | Spray can |
| 402A-400G | 450 g (16 oz) | Aerosol | Spray can |

Super Duster™ 152

Super Duster™ 152 is a pressurized gas duster made with 100% HFC152A gas. Its powerful blast blows away microscopic dust, lint, and foreign particles. Recommended for use in home or office over 402A.

- 100% HFC 152A gas
- Economical
- Ozone safe
- Non-VOC
- Non-flammable aerosol*
- Zero residue
- High flow delivery system
- Food safe – Registered with CFIA and NSF
- Filtered to 0.2 Microns



| Cat. Number | Size | Form | Packaging |
|-------------|---------------|---------|-----------|
| 402B-285G | 285g (10 oz) | Aerosol | Spray can |
| 402B-400G | 400 g (14 oz) | Aerosol | Spray can |

Super Duster™ 134 Refill

A Super Duster™ 134 refill container for use with our Super Duster Trigger Valve.

Super Duster™ 134 is a pressurized gas duster made with 100% HFC134A gas. Its powerful blast blows away microscopic dust, lint, and foreign particles. Good for use in home or office, it is non-flammable, so it is suitable for use on live circuits or in industrial environments.

- 100% HFC 134A gas
- Non-Flammable
- Non-Conductive
- High flow delivery system
- Ozone safe
- VOC free
- Zero residue
- Moisture free
- Safe on plastics
- Filtered to 0.2 Microns
- Can be used on Energized Circuits



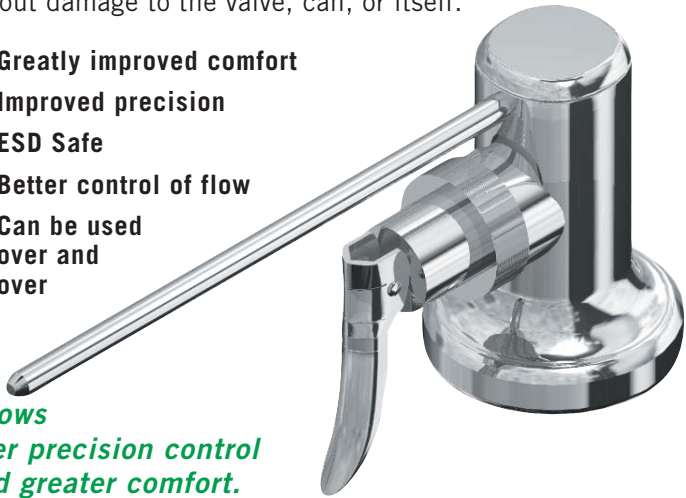
| Cat. Number | Size | Form | Packaging |
|-------------|--------------|---------|-----------|
| 402AR-285G | 285g (10 oz) | Aerosol | Can |

Chrome Trigger Valve

This high quality threaded chrome valve greatly increases the comfort for high volume users, who might find the regular plastic trigger irritating after prolonged use. It also provides improved accuracy and better control over the rate of flow, than plastic triggers.

This product can be used over and over. It simply screws onto the top of the can, and may be removed at any time later without damage to the valve, can, or itself.

- Greatly improved comfort
- Improved precision
- ESD Safe
- Better control of flow
- Can be used over and over



Allows user precision control and greater comfort.

| Cat. Number | Size | Form | Packaging |
|-------------|------|--------|-----------|
| 402T | N/A | Nozzle | Nozzle |

COLD SPRAYS

MG Chemicals has developed a high quality cold spray that chills to -51 °C (-60 °F) for finding thermal or "hot" intermittent faults on your electronic components, PCB cracks, and cold solder joints. The frigid gas provides heat sink protection during soldering and desoldering activities. As an added benefit, the spray will also freeze gum, glues and adhesives for easier removal. This product is registered with the CFIA and the NSF for use in and around food processing establishments.



SuperCold™ 134 Plus

MG Chemicals cold spray is 100% HFC 134A non-flammable gas. It is primarily used for diagnosing thermally intermittent problems with electronic devices, but it is also useful for protecting heat sensitive components during soldering, quickly cooling solder joints, and it can also be used to quickly remove gum and other adhesives from a variety of surfaces.

- 100% HFC 134A gas
- Chills down to -51°C (-60°F)
- Ozone safe
- Non-flammable
- Non-conductive
- Zero residue
- VOC exempt
- Food safe – Registered with CFIA and NSF for use in and around food processing establishments



| Cat. Number | Size | Form | Packaging |
|-------------|--------------|---------|-----------|
| 403A-285G | 285g (10 oz) | Aerosol | Spray can |
| 403A-400G | 400g (14 oz) | Aerosol | Spray can |

ELECTRONICS CLEANERS

MG Chemicals offer a wide variety of solutions for the effective cleaning of sensitive electronics components.

Isopropyl Alcohol (liquid)

A great all-purpose cleaner for a wide range of electronics applications. Made of 99.95% minimum purity anhydrous alcohol (“IPA”). It is safe on plastics and has a moderate evaporation rate.

- Plastic safe
- Moderate evaporation rate
- Zero residue
- Registered with NSF for use in and around food processing establishments (CFIA exempt)
- CARB compliant when diluted 25%*



NSF
Nonfood Compounds
Program Listed K2
Registration #141800

| Cat. Number | Size | Form | Packaging |
|-------------|------------------|--------|---------------|
| 824-100ML | 125 ml (4.2 oz) | Liquid | Bottle |
| 824-500ML | 500 ml (17 oz) | Liquid | Pump |
| 824-1L | 945 ml (1 quart) | Liquid | Bottle |
| 824-4L | 4L (1.05 gal) | Liquid | Jug |
| 824-1G | 3.78L (1 gal) | Liquid | Box of 4 jugs |
| 824-20L | 20L (5 gal) | Liquid | Pail |

Isopropyl Alcohol (aerosol)

99.95% pure isopropyl alcohol (“IPA”) in an aerosol can with pure HFC152A propellant. An economical electronics cleaner and flux remover suitable for a wide variety of cleaning applications in electronics. It is safe on plastics and has a moderate evaporation rate.

- Dissolves light oils and residues on electronic devices and equipment
- Zero residue
- Moderate evaporation rate
- Safe on plastics
- Effective flux remover
- Variable valve allows user to control the rate of flow
- CARB compliant*
- Registered with CFIA and NSF for use in and around food processing establishments



CFIA
REGISTERED

NSF

Nonfood Compounds
Program Listed K2
Registration #141800

| Cat. Number | Size | Form | Packaging |
|-------------|---------------|---------|-----------|
| 824-450G | 450g (16 oz.) | Aerosol | Spray can |

Isopropyl Alcohol 70/30 (liquid)

A blend of 70 parts 99.95% pure isopropyl alcohol (“IPA”) and 30 parts deionized water. A great all-purpose electronics cleaner. The water content provides a slower evaporation rate, allowing it to clean longer, and take on a wider variety of contaminants.

- Plastic safe
- Economical
- Slower evaporation rate than pure IPA
- Higher flash point than pure IPA
- Zero residue
- CARB compliant*



| Cat. Number | Size | Form | Packaging |
|-------------|--------------|--------|-----------|
| 8241-20L | 20L (5 gal) | Liquid | Pail |

Safety Wash™ (liquid)

Safety Wash™ is a liquid all-purpose electronics cleaner made from high purity ethyl alcohol, isopropanol, and a touch of ethyl acetate. It is safe on plastics and effectively dissolves oils, inks, and flux residues.

- De-energized electronic components and equipment
- Printed circuit boards
- Fiber Optic connectors
- Electrical assemblies
- Relays
- Semi-conductors
- Cold dip and rinsing

| Cat. Number | Size | Form | Packaging |
|-------------|---------------|--------|-----------|
| 4050-1L | 945ML (32OZ) | Liquid | Bottle |
| 4050-4L | 3.78L (1 gal) | Liquid | Jug |
| 4050-20L | 20L (5 gal) | Liquid | Pail |

Acetone (liquid)

Acetone is a pure solvent with an endless variety of applications. It is a very aggressive solvent, dries extremely quickly, and is zero residue. Also, it is exempt from VOC regulations in most jurisdictions. It is highly flammable, so appropriate precautions are required before use.

Acetone has many uses specific to electronics. It may be used as a cleaner or stripper. It aggressively dissolves heavy greases and stubborn residues, quickly stripping coatings, and even eventually destroying most encapsulating and potting compounds. It may be used as a thinner for fast dry coatings, or as a multi-purpose solvent, and in 3D printing it is useful for smoothing ABS.

- Removes stubborn contaminants
- Very fast evaporation rate
- Highly miscible with other solvents
- Leaves no residues
- VOC Free
- Low toxicity
- CARB compliant*



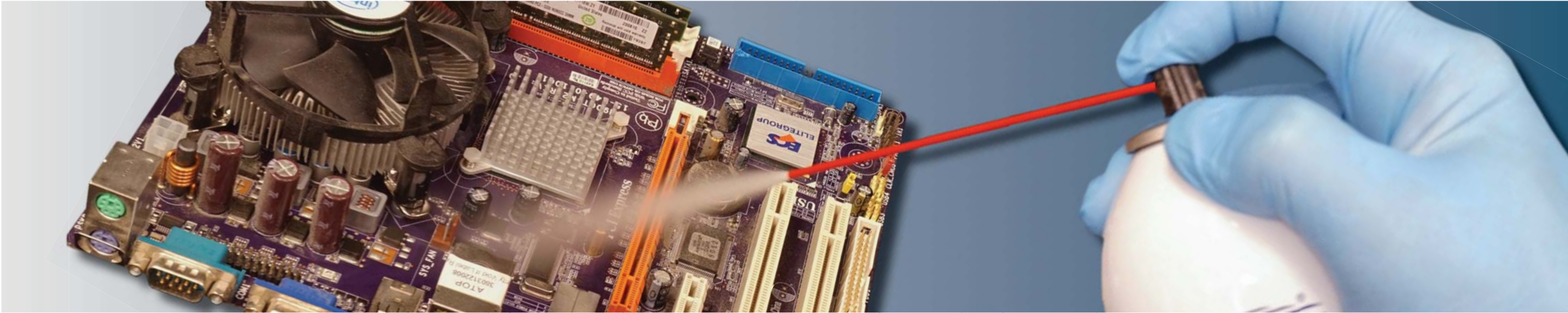
| Cat. Number | Size | Form | Packaging |
|-------------|---------------|--------|-----------|
| 434-1L | 945ML (32OZ) | Liquid | Bottle |
| 434-4L | 3.78L (1 gal) | Liquid | Jug |



*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.
CARB Category and Limit: Electronics Cleaner, 75%

*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.
CARB Category and Limit: Electronics Cleaner, 75%

ELECTRONICS CLEANERS



Safety Wash II™ (Aerosol)

Safety Wash II blends three plastic safe cleaning solvents, denatured ethanol, isopropyl alcohol, and isohexanes, together with a VOC free propellant. Combining the polar cleaning action of the two alcohols with the non-polar cleaning action of the isohexanes, this formula is ready to take on most oils, greases, and other residues in a sensitive electronics environment. It is also an excellent flux remover.

CFIA
REGISTERED



NSF

Nonfood Compounds
Program Listed K2
Registration #141800

- Dissolves light oils and residues on electronic devices and equipment
- Combines polar and non-polar solvent cleaning action
- Zero residue
- Safe on plastics
- Methanol free
- Variable valve allows user to control the rate of flow
- CARB compliant*
- Registered with CFIA and NSF for use in and around food processing establishments

| Cat. Number | Size | Form | Packaging |
|-------------|---------------|---------|-----------|
| 4050A-450G | 450g (16 oz.) | Aerosol | Spray can |

Super Wash™ (Aerosol)

Super Wash is a very fast drying electronics cleaner perfect for post-production clean up. It quickly dissolves fingerprints, oils, inks, and organic residues; then it evaporates rapidly, so the cleaned board is immediately ready for packaging. It is also an excellent rinsing agent for removing slower drying solvents and dissolved residues after immersion cleaning or in the second step of a two-step flux removal process (dissolve / rinse).

CFIA
REGISTERED



NSF

Nonfood Compounds
Program Listed K2
Registration #141146

- Very fast evaporation
- Safe on plastics
- Zero residue
- Non-conductive
- Variable valve allows user to control rate of flow
- Flammable - do not use on live circuits
- CARB compliant*
- Registered with CFIA and NSF for use in and around food processing establishments.

| Cat. Number | Size | Form | Packaging |
|-------------|---------------|---------|-----------|
| 406B-425G | 425g (15 oz.) | Aerosol | Spray can |

*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.
CARB Category and Limit: Electronics Cleaner, 75%

HFE Solvent (Aerosol)

It is 100% pure HFE7100 together with pure 134A HFE propellant, so it is absolutely non-flammable, non-conductive, plastic safe, and non-toxic.

Unlike many other non-flammable electronic cleaners, MG Chemicals HFE Solvent is not an azeotropic blend. It is a 100% pure HFE7100 solvent. Azeotropic blends commonly risk becoming flammable over time because the evaporation rates of various ingredients are actually only close, not exactly the same, so flammable constituents are eventually exposed. Also, they are not always 100% safe on plastics, because of solvents added to increase cleaning power. With HFE Solvent, neither of those risks exist.

CFIA
REGISTERED



NSF

Nonfood Compounds
Program Listed K2
Registration #141800

- Non-flammable
- Non-conductive
- Plastic safe
- Fast evaporation rate
- Zero residue
- Non-toxic
- VOC Free
- Approved by SNAP without restrictions
- CARB compliant*
- Registered with CFIA and NSF for use in and around food processing establishment

| Cat. Number | Size | Form | Packaging |
|-------------|----------------|---------|-----------|
| 411-300G | 300g (10.6 oz) | Aerosol | Spray can |

*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.
CARB Category and Limit: Electronics Cleaner, 75%

Super HFE Electronics Cleaner (Aerosol)

A high-strength, fast dry, non-flammable aerosol cleaner. Combining polar and non-polar solvents, it is effective on a wide range of residues. Use for removing oils, greases, and flux residues from printed circuit boards and other electronics applications. It is also suitable for electrical and industrial use.

CFIA
REGISTERED



NSF

Nonfood Compounds
Program Listed K2
Registration #141799

- Non-flammable aerosol ⁽¹⁾
- Excellent cleaning strength
- Zero residue
- Fast dry
- Polar and non-polar cleaning
- Excellent flux remover
- Safe on many plastics – check compatibility before use
- CARB compliant*
- Registered with CFIA and NSF for use in and around food processing establishment

⁽¹⁾Product passes the flame extension test for non-flammable aerosols, however, if the product drips, puddled liquid residues will quickly become momentarily flammable as the constituent solvents will evaporate at slightly different rates.

| Cat. Number | Size | Form | Packaging |
|-------------|---------------|---------|-----------|
| 4120-450G | 450g (16 oz.) | Aerosol | Spray can |

ELECTRONICS CLEANERS

COMPARISON CHART

| | AEROSOL | | | | | LIQUID | | | |
|----------------|----------------------------|----------------------|-----------------|-----------------|------------------------|------------------------------|------------------------------|-------------------------|-----------------|
| | ISOPROPYL ALCOHOL 824-450G | SAFETYWASH II™ 4050A | SUPERWASH™ 406B | HFE SOLVENT 411 | SUPER HFE SOLVENT 4120 | ISOPROPYL ALCOHOL LIQUID 824 | ISOPROPYL ALCOHOL 70/30 8241 | SAFETYWASH™ LIQUID 4050 | ACETONE 434 |
| PLASTIC SAFE | YES | YES | YES | YES | TEST | YES | YES | YES | NO |
| FLAMMABLE | YES | YES | YES | NO | NO | YES | YES | YES | YES |
| STRENGTH | REGULAR | ENHANCED | EXTRA | REGULAR | EXTRA | REGULAR | REGULAR | REGULAR | EXTRA |
| EVAPORATION | MODERATE | MODERATE | VERY FAST | FAST | FAST | MODERATE | MODERATE | MODERATE | VERY FAST |
| CFIA COMPLIANT | NO | YES | YES | YES | YES | YES | NO | NO | NO |
| NSF COMPLIANT | NO | YES | YES | YES | YES | YES | NO | NO | NO |
| RESIDUE | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| VOC FREE | NO | NO | NO | YES | YES | NO | NO | NO | YES |
| FLASH POINT | -88 °C / -126 °F | -29 °C / -20 °F | -29 °C / -20 °F | NONE | NONE | 12 °C / 54 °F | 18 °C / 64 °F | 78 °C / 174 °F | -17 °C / 1.4 °F |
| BOILING POINT | 81.8 °C / 179 °F | 50 °C / 121 °F | 50 °C / 121 °F | 60 °C / 140 °F | 40 °C / 104 °F | 82 °C / 179 °F | 81 °C / 177 °F | 78 °C / 174 °F | -17 °C / 1.4 °F |

CONTAMINANTS CLEANING EFFICIENCY CHART

| | AEROSOL | | | | | LIQUID | | | |
|---------------|----------------------------|----------------------|-----------------|-----------------|------------------------|------------------------------|------------------------------|-------------------------|-------------|
| | ISOPROPYL ALCOHOL 824-450G | SAFETYWASH II™ 4050A | SUPERWASH™ 406B | HFE SOLVENT 411 | SUPER HFE SOLVENT 4120 | ISOPROPYL ALCOHOL LIQUID 824 | ISOPROPYL ALCOHOL 70/30 8241 | SAFETYWASH™ LIQUID 4050 | ACETONE 434 |
| GREASES | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD |
| OILS | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD |
| FLUXES | GOOD | GOOD | GOOD | GOOD | GOOD | NO | GOOD | GOOD | GOOD |
| INKS | NO | GOOD | GOOD | NO | GOOD | NO | GOOD | GOOD | GOOD |
| DIRT & GRIMES | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD |
| SOOT | GOOD | GOOD | NO | NO | GOOD | NO | GOOD | NO | NO |
| OXIDES | NO | NO | NO | NO | GOOD | NO | NO | NO | NO |
| SILICONES | NO | GOOD | GOOD | NO | GOOD | NO | NO | GOOD | GOOD |
| CARBON | NO | NO | NO | NO | GOOD | NO | NO | GOOD | GOOD |
| GLUES | NO | GOOD | GOOD | NO | NO | NO | NO | NO | GOOD |
| ACRYLICS | NO | NO | GOOD | NO | NO | NO | NO | NO | GOOD |
| ORGANIC | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD |
| INORGANIC | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | NO |
| IONIC | GOOD | GOOD | NO | NO | NO | GOOD | GOOD | GOOD | NO |
| POLAR | GOOD | GOOD | NO | NO | NO | GOOD | GOOD | GOOD | GOOD |
| NON-POLAR | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD |

FLUX REMOVERS

MG Chemicals line of flux removers provide two choices for dissolving and rinsing flux residue: one safe on plastics formula for general flux removal, and an aggressive alternative for removing difficult baked on flux.

Flux Remover for PC Boards is plastic safe and designed for general applications. It is effective at both dissolving flux and rinsing dissolved residues from boards.

Heavy Duty Flux Remover is very aggressive. It dissolves the most stubbornly burnt on flux, however, it is not plastic safe, and therefore it is best used on the solder side of boards or for careful spot removal on populated boards.

Flux removal is a two-step process. Step one is dissolving the flux, and step two is rinsing the dissolved flux off of the board, so it does not redeposit as white residue. Either of our flux removers can rinse as well as dissolve flux, however, our 406B Super Wash™makes an extra effective rinsing agent, because it is very fast drying and plastic safe. It will quickly remove both the slower drying flux remover and the dissolved flux, producing a clean dry board in seconds, making an efficient and effective flux removal process.

Our flux removers come in both convenient aerosol and liquid formats, and are suitable for maintenance and repair operations, service centers, prototyping, maker projects, and small scale electronics production.

Flux Remover for PC Boards

A plastic safe general purpose flux remover. It is zero reside, with a modest dry time, and effective at dissolving and rinsing most flux residues. It is offered in both aerosol and liquid format.



CFIA REGISTERED



- Safe on plastics
- Moderate evaporation
- RoHS Compliant
- Low odor
- Zero residue
- Aerosol container variable valve allows user to control rate of flow



| Cat. Number | Size | Form | Packaging |
|-------------|--------------|---------|-----------|
| 4140-400G | 400g (14 oz) | Aerosol | Spray can |
| 4140-1L | 1L (33 oz) | Liquid | Bottle |
| 4140-4L | 4L (1 gal) | Liquid | Bottle |
| 4140-20L | 20L (5 gal) | Liquid | Pail |
| 4140-P | 10ml | Liquid | Pen |

Heavy Duty Flux Remover

MG Chemicals heavy duty flux remover is specially formulated to efficiently remove the most stubborn, encrusted, hard, baked-on fluxes residues, especially those from high temperature lead free processes. It is not plastic safe, so its use on the populated side should be restricted to careful spot cleaning, but it can be freely used on the component side of boards, providing a fast effective cleaning process.



- Extra strength
- Quickly dissolves burnt on flux
- Fast evaporation
- Offered in liquid and aerosol formats
- Aerosol variable valve allows user to control rate of flow
- CARB compliant*

| Cat. Number | Size | Form | Packaging |
|-------------|--------------|---------|-----------|
| 413B-425G | 425g (15 oz) | Aerosol | Spray can |
| 413B-1L | 1L (33 oz) | Liquid | Bottle |
| 413B-4L | 4L (1 gal) | Liquid | Bottle |
| 413B-20L | 20L (5 gal) | Liquid | Pail |

*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.
CARB Category and Limit: Electronics Cleaner, 75%

CONTACT CLEANERS

MG Chemicals contact cleaners are formulated to clean, lubricate, protect, restore and prolong the conductivity and performance of electronics contacts. They restore damaged parts and prevent deterioration, caused by a wide variety of contaminants, corrosion and wear and tear ensuring permanent and reliable connectivity.

Nu-Trol™ Control Cleaner

Nu-Trol's unique blend of high purity solvents and a lubricating mineral oil is excellent for cleaning and lubricating delicate moving parts in electronics, such as controls, potentiometers, dials, switches, tuners, and servomechanisms. It is also good for general purpose cleaning and lubricating of moving parts for such things as locks, hinges, and power tools.



- Contains electronic grade mineral oil
- Safe on plastics
- Moderate evaporation rate
- on-aggressive - safe for use on vintage electronics
- Variable valve allows user to control the rate of flow

| Cat. Number | Size | Form | Packaging |
|-------------|--------------|---------|-----------|
| 401B-140G | 140g (5 oz) | Aerosol | Spray can |
| 401B-340G | 340g (12 oz) | Aerosol | Spray can |

Contact Cleaner with Silicones

This is a general purpose contact cleaner for applications requiring lubrication. It is a fast-drying, plastic-safe solvent cleaner that leaves a thin film of dry electronic grade silicone behind.

The solvent system effectively dissolves oil and organic residues, and assists the removal of oxidation with a brush. Also, it is fast evaporating, so serviced devices can quickly be returned to use.

The silicone provides lubrication, preventing wear and tear, as well as a layer of protection from oxidation and the elements. It is very thermally stable. It will not significantly dry out over time and has a maximum service temperature of 200 °C (392 °F). It is non-conductive, so shorts are not a concern, yet it goes on so thin it does not significantly inhibit electrical connections. As well, the dry lubrication makes it better for dusty environments than mineral oil alternatives.

This product is useful in a variety of electronics applications such as contacts, connectors, jacks, switches, and battery terminals. It is also useful for lubricating delicate sliding metal parts, such as telescoping antennas.



- Very fast-dry cleaner
- Dry silicone lubrication
- Safe on plastics
- Reduces wear and abrasion
- Protects from oxidation
- Maximum service temperature 200°C (392 °F)
- Variable valve allows user to control the rate of flow
- Registered with CFIA and NSF for use in and around food processing establishments.

| Cat. Number | Size | Form | Packaging |
|-------------|--------------|---------|-----------|
| 404B-140G | 140g (5 oz) | Aerosol | Spray can |
| 404B-340G | 340g (12 oz) | Aerosol | Spray can |



Electrosolve Contact Cleaner

A plastic-safe, fast dry, zero residue general purpose contact cleaner for applications where lubrication is not desired. It is effective at dissolving oils and non-polar residues, and for assisting with the removal of oxidation using a brush.



- Safe on plastics
- Zero Residue
- Very fast evaporation
- Variable valve allows user to control rate of flow
- Registered with CFIA and NSF for use in and around food processing establishments.

| Cat. Number | Size | Form | Packaging |
|-------------|--------------|---------|-----------|
| 409B-140G | 140g (5 oz) | Aerosol | Spray can |
| 409B-340G | 340g (12 oz) | Aerosol | Spray can |

Super Contact Cleaner with Polyphenyl Ether

A contact cleaner that cleans, lubricates and protects. It contains a slow drying plastic safe solvent that removes stubborn residues, an electronic grade mineral oil for lubrication, and Polyphenyl Ether ("PPE") for enhanced conductivity and long term protection from oxidation. PPE bonds onto the surface of metals, enhancing conductivity and preventing oxidation, and is particularly effective on gold, protecting gold contacts for life. Available in aerosol or convenient pen format

For use on contacts, connectors, jacks, potentiometers, tuners, switches, battery terminals, and many more electronic applications.



- Plastic safe
- Improves conductivity
- Reduces connection, wear, and abrasion failures
- Protects from oxidation
- Protects gold contacts for life
- Variable valve allows user to control rate of flow
- CARB compliant*
- Also available in pen format (801C-P)

| Cat. Number | Size | Form | Packaging |
|-------------|----------------|---------|-----------|
| 801B-125G | 125g (4.5 oz) | Aerosol | Spray can |
| 801C-P | 10ml (0.34 oz) | Liquid | Pen |

*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.
CARB Category and Limit: Electronics Cleaner, 75%

SPECIALTY CLEANERS

MG Chemicals formulates a number of speciality cleaners for the electronics maintenance industry.



Audio / Video Head Cleaner

MG Chemicals Audio/Video Head Cleaner was designed and tested to provide optimal cleaning power while remaining safe for your equipment. Use for cleaning and restoring sensitive magnetic and optical read/write heads.



- Safe on plastics
- Removes static and hiss
- Static free
- Zero residue

| Cat. Number | Size | Form | Packaging |
|-------------|---------------|--------|-----------|
| 407C-250ML | 250g (8.4 oz) | Liquid | Bottle |

Rubber Renue

Rubber Renue restores old rubber parts that have become hard and lost their tackiness and flexibility. Firstly, it causes the rubber part to swell, allowing dirt to come out of its pores. Later, the solvent dries and the rubber returns to form, but tacky again, so rollers and platens have their grip back. It is great for returning flexibility to rubber belts as well. This product utilizes strong solvents and is not for general use in home or office. It is intended for use in professional maintenance and repair operations. Use only in well ventilated areas.



- Rejuvenates old dry hard rubber
- Restores tackiness
- Restores flexibility and elasticity
- 408A is CARB compliant* when diluted 25% with acetone
- 408B is CARB compliant (pre-diluted)

| Cat. Number | Size | Form | Packaging |
|-------------|----------------|--------|-----------|
| 408A-125ML | 125ml (4.2 oz) | Liquid | Bottle |
| 408B-1L | 1L (33 oz) | Liquid | Bottle |

*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.
CARB Category and Limit: Electronics Cleaner, 75%



Glass Cleaner

An all-purpose, non-streaking, and high foaming action glass cleaner. It can be used safely on plastic, vinyl, metal, glass, chrome, and ceramics, leaving surfaces bright and clean.



- Safe on plastics
- Non-streaking
- Foaming – sticks to vertical surfaces
- Variable valve allows user to control rate of flow
- Registered with CFIA and NSF for use in and around food processing establishments.

| Cat. Number | Size | Form | Packaging |
|-------------|----------------|---------|-----------|
| 825-500G | 500g (17.6 oz) | Aerosol | Spray can |

*Users in California, and other states duplicating the California Air Resource Board's Consumer Product's Program, must dilute this product 25% by mass with either water or acetone before use.
CARB Category and Limit: Electronics Cleaner, 75%

Label & Adhesive Remover

MG Chemicals Label and adhesive remover effectively removes labels, adhesives, and residues without damaging plastics, paints, or coatings. For paper labels, simply spray on, wait a few minutes, then pull off the label and wipe the residue clean. For laminated labels, scrape off the lamination, spray product on surface, wait a few minutes, then pull off the remaining paper label and wipe the residue clean.



- Efficiently removes labels
- Cleans sticky residues
- Plastic safe
- Safe on most paints and coatings
- CARB Compliant*
- Registered with CFIA and NSF for use in and around food processing establishments.

| Cat. Number | Size | Form | Packaging |
|-------------|---------------|---------|-----------|
| 8361-140G | 140g (5 oz) | Aerosol | Spray can |
| 8361-P | 10ml (0.34g) | Liquid | Pen |

PRE-SATURATED WIPES

MG Chemicals offers a full line of wipes pre-saturated with high quality cleaning solutions and highly static dissipative that are perfect for a multitude of cleaning tasks. We offer pre-saturated wipes for LCD screen cleaning, optical lens cleaning, credit and debit card reader cleaning cards and multi-purpose alcohol wipes packaged individually or in tubs economical formats.



Clean Pad

Thick lint free wipe pre-saturated with 91% pure isopropyl alcohol and 9% deionized water. Made from a blend of polyester and woodpulp they are strong and durable. Individually wrapped and hermetically sealed to prevent evaporation and maintain solvent effectiveness. Ideal for cleaning sensitive contact surfaces, computers, electronic equipment, magnetic tape heads, instruments, fiber optic connectors and ferrules. Offered in 50 wipes per box packages.

- Polyester / Woodpulp thick durable fabric
- 91% pure isopropyl alcohol
- Plastic safe
- Fast evaporation
- Lint Free
- Non-Abrasive
- Sealed individual packaging
- 3" x 4" wipe size
- Colour: white



| Cat. Number | Pieces | Format | Packaging |
|-------------|----------|--------|-----------|
| 824P-50 | 50 wipes | Single | Box |

Pre-Saturated Cleaning cards

This Pre-saturated Cleaning Card, constructed with nonwoven / plastic / nonwoven, is designed to ease the cleaning of concealed magnetic, photo and optic sensors on different types of reader mechanism. Pre-saturated with 99% IPA it is strong enough to remove all contaminants from reading surfaces while being safe on plastic and glass. Sealed packaging ensures solution loss due to premature evaporation. Individual packaging allows shirt or pants pocket storage without having to carry around a bulk container.

- Polyester / Woodpulp thick durable fabric
- 91% pure isopropyl alcohol
- Plastic safe
- Fast evaporation
- Lint Free



Optical Wipe

These wipes are specially formulated for cleaning optical lenses. A special solution formula provides longer lasting clarity to optical components and is safe to use on anti-glare coated surfaces. Its durable bleached creped biodegradable paper prevents premature ripping during usage. The individual sealed wrapping provides longer solution preservation while providing the convenience of use anywhere without having to carry a bulk container.

- Specially formulated for optical device
- Strong bleached creped rip-free paper
- Safe to use on anti-glare coated lenses
- Provides longer lasting clarity
- Biodegradable (ASTM Standards)
- Individually packaged
- Size: 5" x 6"
- Color: White



| Cat. Number | Pieces | Format | Packaging |
|-------------|------------------|--------|-----------|
| 8243-WX25 | 25 (5"x6") wipes | Single | Box |

- Non-Abrasive
- Sealed individual packaging
- 3" x 4" wipe size
- Colour: white

| Cat. Number | Pieces | Format | Packaging |
|-------------|----------------------------|--------|-----------|
| 8301-50 | 50 (2 1/8" x 3 3/8") cards | Single | Box |

Multi-Purpose Alcohol Wipes Tub

General all-purpose low lint 70/30 Isopropyl Alcohol blend pre-saturated wipes. Safe on plastics. Made from a blend of polyester and woodpulp they are strong and durable. A convenient tub provides easy dispensing. This product is compliant with food safety regulations in Canada (CFIA) and Internationally (NSF) making it the ideal cleaner and disinfectant for use in and around food processing establishments. Offered in a convenient tub dispenses the wipes remain wet and effective when the sealed cover stays in place. Offered in convenient 75 wipes tubs or 25 individually wrapped and sealed boxes.

CFIA
REGISTERED



Nonfood Compounds
Program Listed K2
Registration #141798



- 70/30 Isopropyl blend
- Polyester / Woodpulp thick durable fabric
- Plastic safe
- Moderate evaporation
- Low lint
- Non-Abrasive
- Convenient
- Food safe – Registered with CFIA and NSF for use in and around food processing establishments.
- Bulk packaging or Individual sealed wrap
- 6" x 7" wipe size
- Colour: white

| Cat. Number | Pieces | Format | Packaging |
|-------------|--------------------|--------|-----------|
| 8241-T | 75 (6" x 7") wipes | Bulk | Tub |
| 8241-WX25 | 25 (6" x 7") wipes | Single | Box |

Isopropyl Alcohol Wipes

Handy general purpose cloth type wipes pre-saturated with 99.95% isopropyl alcohol. Made from a blend of polyester and woodpulp they are strong and durable. Each wipe is wrapped and sealed individually to prevent solution evaporation and maintain its full effectiveness. Ideal format for field repair & maintenance work. Quick and convenient. Offered in boxes of 25, 50 or 500 wipes.



- 99.95% isopropyl alcohol
- Polyester / Woodpulp thick durable fabric
- Plastic safe
- moderate evaporation
- Zero lint
- Non-Abrasive
- Sealed individual packaging
- 5" x 6" wipe size
- Colour: white

| Cat. Number | Pieces | Format | Packaging |
|-------------|---------------------|--------|-----------|
| 824-WX25 | 25 (5" x 6") wipes | Single | Box |
| 824-WX50 | 50 (5" x 6") wipes | Single | Bag |
| 824-WX500 | 500 (5" x 6") wipes | Single | Bag |

PRE-SATURATED WIPES

LCD Screen Cleaning Kit

MG Chemicals LCD Screen Cleaning Kit is made of an advanced Non Drip Gel static free formula that will safely and effectively clean the toughest residues from your LCD and Plasma screens and an absorbent high quality microfiber cleaning cloth that leaves surfaces lint-free, streak-free and residue free.

- **Advanced non-drip gel formula**
- **Anti-static**
- **Specially formulated for LCD and Plasma screens**
- **Streak-free**
- **Lint-free**
- **Cloth Size: 12" x 12"**
- **Cloth Color: Blue**



| Cat. Number | Size | Form | Packaging |
|-------------|----------------|--------|------------|
| 8242-K | 200ml (6.8 oz) | Single | Pump spray |

LCD Cleaning Wipes (Tub)

Our new and improved LCD cleaning IPA pre-saturated wipes now look and clean better than ever. Made of a tougher bleached creped biodegradable paper they won't rip during dispensing and usage. An air tight cap provides extended shelf life after opening. Offered in 50 wipes economical tub or individually sealed wrapped boxes.

- **New and improved formula**
- **Streak-free**
- **Strong bleached creped rip-free paper**
- **Biodegradable (ASTM Standards)**
- **Safely cleans LCD screens**
- **Bulk packaging**
- **Lint-free**
- **Size: 3" x 4"**
- **Anti-static**
- **Color: White**



| Cat. Number | Pieces | Form | Packaging |
|-------------|--------------------|------|-----------|
| 8242-RTS | 50 (3" x 4") wipes | Bulk | Tub |

LCD Cleaning Wipes (Single pack)

New individual sealed packs allows to always have a cleaning wipe handy when needed. Made of a durable bleached creped biodegradable paper preventing premature ripping during usage. The gentle formula of these specialty wipes will clean effectively while not leave lint or streak and will not drip. The antistatic barrier left behind repels dust. Also effective for cleaning telephones, keyboards, peripherals, or desktops. Available in 25 wipes per box.

- **New and improved formula**
- **Streak-free**
- **Strong bleached creped rip-free paper**
- **Biodegradable (ASTM Standards)**
- **Safely cleans LCD screens**
- **Sealed individual packaging**
- **Lint-free**
- **Size: 5" x 6"**
- **Anti-static**
- **Color: White**



| Cat. Number | Pieces | Form | Packaging |
|-------------|--------------------|--------|-----------|
| 8242-WX25 | 25 (5" x 6") wipes | Single | Box |

DRY WIPES

MG Chemicals line of dry wipes effectively removes dust, lint, oils and other liquids easily from delicate equipment. Great for cleaning and dusting monitors, keyboards, telephones, printers, optical surfaces, lab equipment, and other precision instrumentation.

Optiwipes

Super soft hydroentangled polyester fiber. Excellent absorbency and strength when cleaning up spills and cleaning solutions. Qualified for use in controlled environments that maintain a low level of pollutants such as dust, airborne microbes, aerosol particles, and chemical vapors. Use to clean optical surfaces, photo processing, lab equipment, and other precision instrumentation.

- **Strong textured polyester fabric**
- **Zero lint**
- **Class 100 clean room compatible**
- **4" x 4" wipe size**
- **Colour: white**



| Cat. Number | Pieces | Form | Packaging |
|-------------|---------------------|--------|-----------|
| 828-4x4 | 100 (4" x 4") wipes | Single | Box |

Hydrowipes

General purpose made from a super absorbent hydro entangled nonwoven blend of cellulose and polyester. It is pure, super-absorbent, versatile, and economical. Qualified for use in controlled environment that maintain a low level of pollutants such as dust, airborne microbes, aerosol particles, and chemical vapors.

- **Strong non woven blend of cellulose and polyester**
- **Super absorbent**
- **Zero lint**
- **Class 100 clean room compatible**
- **8" x 9" wipe size**
- **Colour: white**



| Cat. Number | Pieces | Form | Packaging |
|-------------|---------------------|--------|-----------|
| 8282-300 | 300 (8" x 9") wipes | Single | Box |

Twillwipes

Super soft hydroentangled polyester fiber. Excellent absorbency and strength when cleaning up spills and cleaning solutions. Qualified for use in controlled environments that maintain a low level of pollutants such as dust, airborne microbes, aerosol particles, and chemical vapors. Use to clean optical surfaces, photo processing, lab equipment, and other precision instrumentation.

- **100% cotton twill weave**
- **Strong texture cotton**
- **Super absorbent: absorbs three time its own weight**
- **Solvent resistant**
- **Thermally stable**
- **Zero lint**
- **Static free**
- **Class 1000 clean room compatible**
- **4"x4" and 9" x 9" wipe sizes**
- **Colour: white**



| Cat. Number | Pieces | Form | Packaging |
|-------------|---------------------|--------|-----------|
| 829-4x4 | 300 (4" x 4") wipes | Single | Box |
| 829-50 | 50 (9"x9") wipes | Single | Box |

SWABS

MG Chemicals line of swabs are offered in Chamois, cotton and urethane. Whether you need a round, tapered or rectangular tip shape you will find the right configuration for your general and precision cleaning applications.

Double Headed Cotton Swabs

A double headed low lint, extra absorbent U.S.P. pharmaceutical grade purified round cotton tip swab. Bonded on a 6” rigid white birch staff for extra resistance when applying pressure is needed. Available in packages of 100.

- **Pharmaceutical grade**
- **Use for cleaning lenses and optical devices**
- **Special construction eliminates migration of chemicals with adhesives for cleaning**
- **No glue used on tip**
- **Small cotton tip**
- **Wood handle is naturally biodegradable**

| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 811-100 | 100 | Bag |

Cotton Tip Application Swabs

A double headed low lint, extra absorbent U.S.P. pharmaceutical grade purified tapered cotton tip swab providing added precision. Bonded on a 6” rigid white birch staff for extra resistance when applying pressure is needed. Available in packs of 25 and 25000.

- **Lint-less and residue free**
- **Precision pointed**
- **Does not swell in solvents**
- **Easy disposal, burnable**
- **Class 100 - 1000**

| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 8113-25 | 25 | Bag |
| 8113-25000 | 25000 | Box |



Tapered Cotton Swabs

A double headed low lint, extra absorbent U.S.P. pharmaceutical grade purified tapered cotton tip swab providing added precision. Bonded on a 6” rigid white birch staff for extra resistance when applying pressure is needed. Available in packs of 100.

- **Pharmaceutical grade purified cotton**
- **Tapered tip for added precision**
- **Compatible with most solvents**
- **Rigid wood staff**
- **Soft and non-abrasive**

| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 8112-100 | 100 | Bag |

Chamois Swabs

The ideal swab for your audio/video magnetic heads and optical pick ups. Made from a lint free, synthetic suede bonded to a bendable plastic handle it facilitates access to hard to reach areas. Available in single or double headed formats.

- **Synthetic Chamois cloth head**
- **Flexible, formable plastic handle**
- **Free of oil and residues**
- **Soft and non-abrasive**
- **Tightly wrapped**
- **Bonded without adhesives**
- **Seamless construction**

| Cat. Number | Pieces | Packaging | Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|-------------|--------|-----------|
| 810-15 | 15 | Bag | 810D-15 | 15 | Bag |
| 810-50 | 50 | Bag | 810D-50 | 50 | Bag |
| 810-500 | 500 | Bag | 810D-500 | 500 | Bag |

Foam Swabs

A durable precision cleaning applicator, shred resistant made from 100% urethane foam head with 100PPI porosity. Bonded securely to a 6” birch shaft providing extra strength when additional pressure needs to be applied. Available in packs of 10, 50, 250 and 1000

- **Pharmaceutical grade purified cotton**
- **General cleaning swab**
- **Used in electronic assembly and medical device manufacturing**
- **Removing contamination in static sensitive environments**
- **Ideal for applying adhesives or other solvents**
- **Lint and residue free**
- **Can be used with IPA and DI water or dry**
- **Soft and non-abrasive**

| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 813-10 | 10 | Bag |
| 813-50 | 50 | Bag |
| 813-250 | 250 | Bag |
| 813-1000 | 1000 | Bag |

Foam Over Cotton Swabs

A highly absorbent precision cleaning applicator. Shred resistant, 100% urethane foam heads with 100 PPI porosity over extra absorbent U.S.B. pharmaceutical grade purified cotton. Bonded securely to a 6" birch shaft providing extra strength when additional pressure needs to be applied. Available in packs of 10, 50, 250, 1000

- **Critical-environment cleaning swab**
- **Foam-over-cotton head**
- **Wood handle**
- **Soft and non-abrasive**

| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 812-10 | 10 | Bag |
| 812-50 | 50 | Bag |
| 812-250 | 250 | Bag |
| 812-1000 | 1000 | Bag |

Rectangular Foam Swabs

Large rectangular foam head bonded to sturdy handle for aggressive cleaning applications. Large shred resistant, 100% urethane foam heads with 100PPI porosity. Bonded securely to a 5 inch polypropylene shaft. Available in packs of 10, 50, 250, 1000.

- **100% urethane oversized foam head**
- **Sturdy handle**
- **Highly absorbent hydrophilic foam tip**
- **Fast wet wipe characteristics**
- **Large surface area ideal for cleaning parts with di water or IPA**
- **Used for surface hygiene testing**
- **Resists smearing and streaking**
- **Propylene shaft**
- **Easy disposal, burnable**
- **Class 100 - 1000**

| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 814-10 | 10 | Bag |
| 814-50 | 50 | Bag |
| 814-250 | 250 | Bag |
| 814-1000 | 1000 | Bag |

Anti-Static Foam Over Cotton

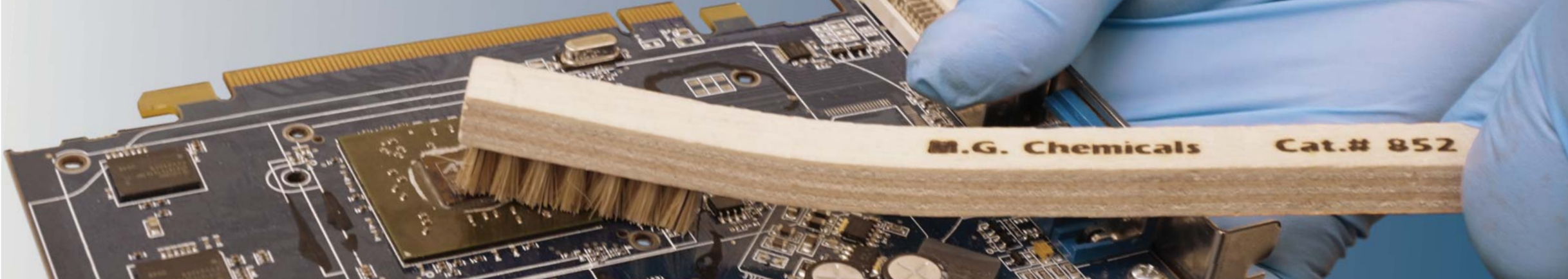
An Antistatic foam head over extra absorbent U.S.B. pharmaceutical grade purified cotton. Bonded securely to a 6" birch shaft providing extra strength when additional pressure needs to be applied Compatible with most solvents. Available in packs of 10, 250 and 1000.

- **Pharmaceutical grade purified cotton**
- **General cleaning swab**
- **Used in electronic assembly and medical device manufacturing**
- **Removing contamination in static sensitive environments**
- **Ideal for applying adhesives or other solvents**
- **Lint and residue free**
- **Can be used with IPA and DI water or dry**
- **Soft and non-abrasive**

| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 812AS-10 | 10 | Bag |
| 812AS-250 | 250 | Bag |
| 812AS-1000 | 1000 | Bag |

BRUSHES

MG Chemicals brushes enhance the delivery of your cleaner, and remove loose debris that chemical cleaners alone cannot. Offered in premium grade stainless steel, brass, horse hair and hog hair, bristles. Handles comes in a selection of wood, stainless steel, cad plated steel or tin. Depending on your needs you can choose from abrasive or non-abrasive.



Stainless Steel Cleaning Brush

A 3-row heavy duty toothbrush-style scratch brush with stainless steel bristles and long plywood handle. Great for cleaning soldering iron tips. Great for cutting corrosion. Great surface scratcher, it is perfect for solder surface preparation. It is an excellent utility brush.

- Strong plywood handle
- Secured stainless steel bristles eliminating bristle loss and contamination
- 7 ¾” wooden handle
- 5/16” trim length
- 3 row brush surface 1 3/8" x 7/16"



| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 850 | 1 | Bag |

Hog Hair Cleaning Brush

A 3-row toothbrush-style general cleaning scratch brush. Made of natural stiff hog hair bristles and long plywood handle. Makes a great soldering tool that can be used for a wide variety of cleaning applications. It is excellent for removing flux and general clean up. Can be used dry or wet. Works well with sticky or crusty materials.

- Strong plywood handle
- Secured hog hair bristles eliminating bristle loss and contamination
- 7 ¾” wooden handle
- 5/16” trim length
- 3 row brush surface 1 3/8" x 7/16"



| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 852 | 1 | Bag |

Brass Cleaning Brush

A 3-row heavy duty toothbrush-style scratch brush with brass steel bristles and long plywood handle. Great for removing oxides and corrosion from male and female connector ends, burnishing without removing base metal and cleaning soldering iron tips.

- Heavy duty scraping and brushing
- Strong plywood handle
- Secured brass steel bristles eliminating bristle loss and contamination
- 7 ¾” wooden handle
- 5/16” trim length
- 3 row brush surface 1 3/8" x 7/16"



| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 851 | 1 | Bag |

Large Hog Hair Cleaning Brush

A large, tuft patterned, natural stiff hog hair general cleaning brush that makes cleaning larger surface areas easier and quicker. It features a 1” wide by 8 3/8” long plywood handle. It is excellent for removing flux, can be used on dry or wet surfaces, works well with sticky or crusty materials and can also be used for general cleaning tasks.

- Strong plywood handle
- Secured natural hog hair bristles eliminating bristle loss and contamination
- Stiff bristles
- 8 3/8” wooden handle
- 3/4” trim length
- 4-row brush surface 2 1/4" x 1"



| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 853 | 1 | Bag |

Horse Hair Cleaning Brush

A small, inexpensive high precision general cleaning brush with natural horse hair bristles and a sturdy tin handle. Soft durable bristle brush that works well for dusting, cleaning with fluids and general cleanup. Brushes are tested for bristle resistance for the most rigorous tasks.

- Sturdy tin handle
- Secured natural horse hair bristles eliminating bristle loss and contamination
- Soft bristles
- 6” handle
- 3/4” trim length
- 1/4" x 3/8" brush face



| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 855 | 1 | Bag |
| 855-144 | 144 | Box |

Chisel Hog Hair Cleaning Brush

A hog hair brush with a vertical style chiseled short plywood handle. Excellent for removing flux and general clean up and can be used dry or with fluids.

- Strong plywood handle
- Secured natural hog hair bristles eliminating bristle loss and contamination
- 5” handle
- 1/2” trim lengths
- 3/4" x 5/16"brush face



| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 857 | 1 | Bag |

Double Horse Hair Cleaning Brush

A double ended, inexpensive cleaning brush. Made of short natural horse hair bristles and a cad plated steel handle it is ideal for heavy duty scrubbing. One end is chiseled to clean hard to reach and tight corners and the other is straight for precision cleaning and coating.

- Stiff cad plated steel handle
- Secured natural horse hair bristles eliminating bristle loss and contamination
- One end chiseled brush
- 4 1/2” handle
- 1/4” / 3/16” trim lengths
- 1/4" x 5/16” brush face



| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 856 | 1 | Bag |

Horse Hair Cleaning Brush

A 3-row toothbrush style general cleaning scratch brush. Made from natural soft horse hair bristles and a long plywood handle. Excellent for removing flux residues, sticky or crusty materials it can also be used for general cleaning.

- Strong plywood handle
- Secured natural horse hair bristles eliminating bristle loss and contamination
- 5 1/4” handle
- 5/16” trim lengths
- 3-row 1 3/8" x 7/16 brushy face



| Cat. Number | Pieces | Packaging |
|-------------|--------|-----------|
| 859 | 1 | Bag |

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